

Fraxinus pennsylvanica / Leersia lenticularis - Carex lupulina Forest

COMMON NAME Green Ash / Catchfly Cutgrass - Hop Sedge Forest

SYNONYM

PHYSIOGNOMIC CLASS Forest (I.)

PHYSIOGNOMIC SUBCLASS Deciduous forest (I.B.)

PHYSIOGNOMIC GROUP Cold-deciduous forest (I.B.2.)

PHYSIOGNOMIC SUBGROUP Natural/Semi-natural (I.B.2.N.)

FORMATION Seasonally flooded cold-deciduous forest (I.B.2.N.e.)

ALLIANCE *Acer rubrum* - *Fraxinus pennsylvanica* Seasonally Flooded Forest Alliance

CLASSIFICATION CONFIDENCE LEVEL 1

USFWS WETLAND SYSTEM Palustrine

RANGE

Globally

Fraxinus pennsylvanica / *Leersia lenticularis* - *Carex lupulina* Forest has been newly described based on data from the Congaree Swamp National Monument. Global distribution needs assessment.

Congaree Swamp National Monument

This forest type occurs in the middle, southern portion of the park near the Congaree River.

ENVIRONMENTAL DESCRIPTION

Globally

Fraxinus pennsylvanica / *Leersia lenticularis* - *Carex lupulina* Forest has been newly described based on data from the Congaree Swamp National Monument. Global environmental conditions await description but will be similar to the description below.

Congaree Swamp National Monument

Fraxinus pennsylvanica / *Leersia lenticularis* - *Carex lupulina* Forest occurs on somewhat poorly drained to poorly drained silty clay loam soils in temporarily flooded sloughs.

MOST ABUNDANT SPECIES

Globally

Global description is the same as the Monument-specific description below.

Congaree Swamp National Monument

<u>Stratum</u>	<u>Species</u>
Tree canopy	<i>Fraxinus pennsylvanica</i> , <i>Celtis laevigata</i>
Tree subcanopy	<i>Planera aquatica</i>
Herbaceous	<i>Leersia lenticularis</i> , <i>Boehmeria cylindrica</i> , <i>Carex lupulina</i>

DIAGNOSTIC SPECIES

Globally

Global description is the same as the Monument-specific description below.

Congaree Swamp National Monument

Fraxinus pennsylvanica, *Celtis laevigata*, *Planera aquatica*, *Leersia lenticularis*, *Boehmeria cylindrica*, *Carex lupulina*

USGS-NPS Vegetation Mapping Program
Congaree Swamp National Monument

VEGETATION DESCRIPTION

Globally

Global description is the same as the Monument-specific description below.

Congaree Swamp National Monument

The mostly closed to closed canopy of this community is dominated by *Fraxinus pennsylvanica*. Other typical canopy species include *Ulmus americana*, *Acer negundo*, and *Carya aquatica*. The well-developed subcanopy may contain the same species as the canopy; additional species in this stratum include *Planera aquatica*, *Celtis laevigata*, *Ilex decidua*, *Ulmus alata*, *Crataegus phaenopyrum*, and *Diospyros virginiana*. The single occurrence on which this description is based had no shrub cover. The herbaceous layer was moderate and was dominated by *Leersia lenticularis*, *Boehmeria cylindrica*, and *Carex lupulina* with *Saururus cernuus* and *Polygonum setaceum*. The vine coverage is moderate, and species present include *Smilax hispida*, *Vitis rotundifolia*, *Campsis radicans*, *Toxicodendron radicans*, *Menispermum canadense*, and *Ampelopsis arborea*.

OTHER NOTEWORTHY SPECIES

CONSERVATION RANK G2G3

RANK JUSTIFICATION

DATABASE CODE Cegl007728

COMMENTS

REFERENCES